

Production Performance of Ruminants in response to Exogenous Enzymes

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Ruminants

- Blessed with exceptional quality of converting low quality feed into high supreme products
- This quality may be boosted up by different feeding strategies

Feed Resources in Pakistan

- Pasture
- Range
- Seasonal Fodder
- These are low in digestibility
- High in fiber

- Livestock is deficient in TDN and CP
- Feeding strategies are required
- Different treatments are practiced

Treatments to improve digestibility

- Physical
- Chemical
- Biochemical

Fibrolytic enzymes

- This is new strategy in ruminants
- No hazardous effects
- Known to improve digestibility
- Animal productivity

- Fibrolytic enzymes involve
- Cellulases
- Hemcellulases
- Pectinases
- Ligninases

- Enzyme supplementation improves neutral detergent fiber digestibility
- Thus may spare expensive cereals
- Improves milk quality
- Improves growth performance

Objectives

- To evaluate influence of exogenous enzymes on digestibility
- Animal productivity in response to fibrolytic enzyme supplementation

Thank You